

## EAST SEARCH

6/3/03

L#	Hits	Search String	Databases
L8	55573	memory card or "memory circuit"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L9	67446	semiconductor memory	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L10	5292	("memory card" or "memory circuit") and "semiconductor memory"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L11	4091	audio signal and "A/D converter"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L12	2519	("memory card" or "memory circuit") with "semiconductor memory"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L13	1440	audio signal with "A/D converter"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L14	778	playback circuit	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L15	22	playback circuit with "D/A converter"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L16	2	playback circuit with (filter adj circuit\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L17	0	playback circuit with "audio amplifier\$1"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L18	0	playback circuit and "audio amplifier\$1"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L19	3	("playback circuit" with "D/A converter") and ("playback circuit" with (audio with amplifier\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L20	15	playback circuit with (audio with amplifier\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L21	100	playback circuit and (audio with amplifier\$1)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L22	0	("playback circuit" and (audio with amplifier\$1) and "D/A converter") and (filter adj	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L3	8	("playback circuit" and (audio with amplifier\$1) and "D/A converter") and filter	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L1	14	("playback circuit" and (audio with amplifier\$1) and "D/A converter"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L2	54	("playback circuit" and (audio with amplifier\$1) and filter	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L4	15	("audio signal" and "A/D converter") and ("memory card" or "memory circuit") with "semiconductor memory"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L15	8	("memory card" or "memory circuit") with "semiconductor memory"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L16	2798	("memory card" or "memory circuit") same "semiconductor memory"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L20	18	("audio signal" and "A/D converter") and ("memory card" or "memory circuit") same "semiconductor memory"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L21	48	("memory card" or "memory circuit") and "semiconductor memory"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L22	352	("memory card" or "memory circuit") and "rechargeable battery"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L24	17	("memory card" or "memory circuit") and "semiconductor memory"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L26	11	("memory card" or "memory circuit") same "playback circuit"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L1	43	("memory card" or "memory circuit") and "playback circuit"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L3	2704	("memory card" or "memory circuit") with "semiconductor memory"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L4	390	("memory card" or "memory circuit") and "rechargeable battery"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L5	2	5,204813.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L5	1	4 and (charge\$1 with battery)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L6	1	5 and ("memory card" or "memory circuit") and "rechargeable battery"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

L7	15	15	playback circuit same resolution	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L8	120	120	playback circuit and resolution	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L9	5	5	8 and (resolution with ("8 bits" or 8-bits or "eight bits"))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L10	5	5	8 and (resolution same ("8 bits" or 8-bits or "eight bits"))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L11	6142	6142	playback and resolution	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L12	127	127	11 and (resolution with ("8 bits" or 8-bits or "eight bits"))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L13	90	90	11 and (resolution with ("16 bits" or 16-bits or "sixteen bits"))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L14	1753	1753	resolution with ("8 bits" or 8-bits or "eight bits")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L15	767	767	resolution with ("16 bits" or 16-bits or "sixteen bits")	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L16	107	107	14 and 15	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L18	66	66	15 and (resolution with audio)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L19	14	14	17 and 18	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L17	53	53	14 and (resolution with audio)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L21	5	5	3 and 20	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L20	223	223	rechargeable battery and "battery switch"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L1	379	379	711/115.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L2	159	159	381/124.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L3	0	0	380/153.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L4	0	0	380/159.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L5	290	290	705/57.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L6	0	0	395/164.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L7	0	0	395/800.ccls.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L1	1741	1741	data packet with (ID or identifier)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L2	411	411	data packet with "audio data"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L4	2259	2259	audio data with store\$1 with memory	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L5	34	34	2 and 4	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L3	58	58	1 and 2	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L6	950	950	audio data with (ID or identifier)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L7	110	110	4 and 6	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L8	12076	12076	data transfer with speed	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L10	16	16	9 and (higher with speed with voltage)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L11	61	61	8 and (higher with speed with voltage)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L9	139	139	data transfer with speed with voltage	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L12	4	4	5,138,925.pn. or 5,253,120.pn.	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L13	2	2	12 and ("audio data" with store\$1 with memory)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L14	2	2	13 and ("audio data" with (ID or identifier))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L15	1	1	5,058,072.pn. and ("data transfer" with speed with voltage)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L16	2	2	5,030,857.pn. and ("data transfer" with speed with voltage)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L17	1	1	5,105,104.pn. and ("data transfer" with speed with voltage)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

L18	22323	memory with "data transfer"	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L19	2616	memory with "data transfer" with speed	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L20	1127	"data transfer" with voltage	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L21	52	19 and 20	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L22	4920	memory with (data near2 transfer\$3) with speed	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L23	2789	(data near2 transfer\$3) with voltage	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L24	113	22 and 23	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L28	1	4,151,611.pn. and ((data near2 transfer\$3) with voltage)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L29	1	28 and voltage	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L30	4021	memory with speed with voltage	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L31	79	22 and 30	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L32	1623	30 and (higher with voltage)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L33	738	32 and (higher with speed)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB
L34	141	33 and (data near2 transfer\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB

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Hamamoto

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6/3/03

### Results of search set L19:("memory card" or "memory circuit") and "playback circuit"

Document	Document II Title	Source	Issue Date	Current OR
<b>US 20010037431 A1</b>	Digital information system, digital audio signal processor and signal converter		20011101	711/115
US 6282611 B1	Digital information system, digital audio signal processor and signal converter		20010828	711/115
US 6249313 B1	Electronic still-video camera, and playback apparatus therefor being capable of storing image data when the		20010619	348/231.9
US 6003473 A	Pet identification and retrieval device		19991221	119/859
US 5991243 A	Data playback device to control a laser illuminating position by comparing phase of a laser drive signal and a		19991123	369/30.12
US 5956084 A	Electronic still-video camera, and playback apparatus therefor being capable of storing image data when the		19990921	348/231.9
<b>US 5897230 A</b>	Sound still camera and film cassette classifier system		19990427	396/312
US 5751888 A	Moving picture signal decoder		19980512	386/68
US 5692225 A	Voice recognition of recorded messages for photographic printers		19971125	396/318
US 5687279 A	Retro-storing analog information in a digital storage circuit		19971111	704/201
US 5572576 A	Telephone answering device linking displayed data with recorded audio message		19961105	379/88.11
US 5539455 A	Digital electronic still-video camera and method of controlling same to reduce power consumption during pla		19960723	348/222.1
US 5524140 A	Telephone answering device linking displayed data with recorded audio message		19960604	379/88.11
US 5511080 A	Playback data detecting method for improving bit error rate for random error		19960423	714/795
US 5491774 A	Handheld record and playback device with flash memory		19960213	704/270
US 5477396 A	Apparatus for recording/reproducing digital signals at various speeds		19951219	386/81
US 5473370 A	Electronic still-video camera, and playback apparatus thereof being capable of storing image data when the		19951205	348/231.1

US 5463419 A	Image signal processing device for thinning images	19951031 348/231.9
US 5412719 A	Radio paging system with voice transfer function and radio pager	19950502 380/271
US 5394275 A	Apparatus for selectively recording and reproducing two video signals having different amounts of data in ea	19950228 386/35
US 5390236 A	Telephone answering device linking displayed data with recorded audio message	19950214 379/88.11
US 5359374 A	Talking picture frames	19941025 40/455
US 5347207 A	Disc shaped recording medium having a zero track address and multibit opposite polarity track addresses ar	19940913 327/64
US 5283818 A	Telephone answering device linking displayed data with recorded audio message	19940201 379/88.25
US 5272574 A	Recording/playback circuit in a video tape recorder capable of recording a plurality of video signals	19931221 386/92
US 4994922 A	Image storage and retrieval apparatus	19910219 386/26
US 4924316 A	Solid color pickup apparatus	19900508 348/222.1
US 4920569 A	Digital audio signal playback system delay	19900424 381/61
US 4910605 A	Video signal recording method and apparatus for field-segment recording	19900320 386/34
US 4829368 A	Solid color pickup apparatus	19890509 348/222.1
US 4823196 A	Image storage and retrieval apparatus	19890418 386/18
US 4672471 A	Method for storing in a first set of consecutive tracks a single still picture and in a second set of consecutive	19870609 386/100
US 4433349 A	Bias control apparatus for a recording system	19840221 360/66
US 4267579 A	Digital waveform generator having constant signal to noise ratio	19810512 708/272
US 4167704 A	Channel selecting apparatus	19790911 455/179.1
US 4087840 A	Method and apparatus for magnetically recording and reproducing physiological information	19780502 360/41
US 4080867 A	Electronic display system for musical instruments	19780328 84/477R
US 3886461 A	Missile radar doppler processing unit	19750527 327/113
US 3833892 A	MAGNETIC TAPE DATA SYSTEM	19740903 713/502
US 3774156 A	MAGNETIC TAPE DATA SYSTEM	19731120 710/70
US 3772657 A	MAGNETIC TAPE DATA HANDLING SYSTEM EMPLOYING DUAL DATA BLOCK BUFFERS	19731113 714/48
JP 04142495 A	DISPLAY DEVICE	19920515
JP 02222384 A	Electronic still-picture camera with plug-in memory card - has playback circuit for sequentially reading out vid	19900905